

Converting Colors

XYZ(51.6903, 49.6998, 12.4565)

Have a look what the booklet for
XYZ(51.6903, 49.6998, 12.4565)
contains.

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Color

**XYZ(51.5246, 49.4849,
12.4661)**

Conversions

Conversions Part 1

Format	Color
Hex	EDB045
RGB	237, 176, 69
RGB Percent	93%, 69%, 27%
CMY	0.0706, 0.3098, 0.7294
CMYK	0.00, 0.26, 0.71, 0.07
HSL	38°, 82%, 60%
HSV	38°, 71%, 93%
XYZ	51.5246, 49.4849, 12.4661
YIQ	182.0410, 70.7030, -20.3450

Conversions

Conversions Part 2

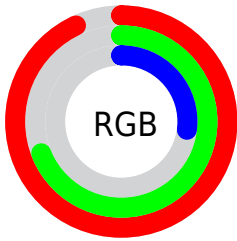
Format	Color
RYB	165, 237, 69
Decimal	15577157
CIELab	75.75, 12.21, 61.08
CIElCh	76, 62.286, 78.699
Yxy	49.4849, 0.4541, 0.4361
Android (android.graphics.Color)	4293767237 (0xFFEDB045)
YUV	182.0410, -55.7292, 48.1990
Hunter-Lab	70.3455, 7.6378, 38.7349

Details

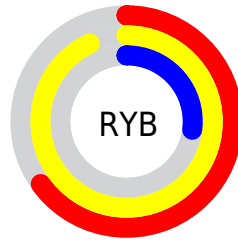
The XYZ color **51.5246, 49.4849, 12.4661** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.7225, 23.3439, 83.2704**, and the grayscale version is **44.7541, 47.0848, 51.2753**.

A 20% lighter version of the original color is **73.3911, 79.8419, 30.2818**, and **25.3610, 23.7712, 3.3665** is the 20% darker color. If you saturate the color by 10%, you get **49.2968, 45.9812, 8.7904**, and if you desaturate by 10%, it is **54.1552, 53.3249, 17.7256**.

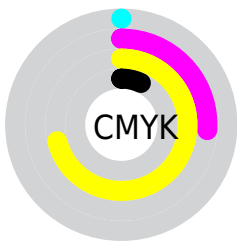
Distribution



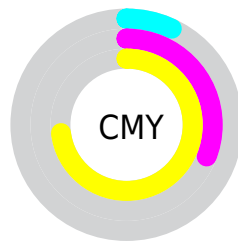
- Red (93%)
- Green (69%)
- Blue (27%)



- Red (65%)
- Yellow (93%)
- Blue (27%)



- Cyan (0%)
- Magenta (26%)
- Yellow (71%)
- Black (7%)



- Cyan (7%)
- Magenta (31%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5246, 49.4849, 12.4661 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 51.5246, 49.4849, 12.4661 by changing the saturation by 10% instead.

51.5246, 49.4849,
12.4661

51.5246, 49.4849,
12.4661

382.9527,
384.6482, 218.5533

36.8490, 35.0043,
6.9356

91.6081, 89.4112,
31.0182

25.2638, 23.6662,
3.3440

117.7468,
115.6257, 44.8769

16.4034, 15.0862,
1.2729

148.4372,
146.5203, 62.3487

9.9027, 8.8799,
0.0394

184.0447,
182.4793, 83.8521

5.3963, 4.6629,
0.0000

224.9346,
223.8872, 109.8058

2.5187, 2.0509,
0.0000

271.4724,

0.9047, 0.6368,

271.1284, 140.6282

0.0000

324.0233,
324.5873, 176.7378

■ 0.0000, 0.0000,
0.0000

■ 51.5246, 49.4849,
12.4661

■ 51.5246, 49.4849,
12.4661

■ 49.2968, 45.9812,
8.7904

■ 54.1552, 53.3249,
17.7256

■ 47.4292, 42.7875,
6.4982

■ 57.2184, 57.5101,
24.7310

■ 45.9841, 40.1229,
5.3209

■ 60.7444, 62.0576,
33.6275

■ 64.7595, 66.9808,
44.5441

■ 69.2876, 72.2921,
57.5984

■ 74.3509, 78.0032,
72.8988

■ 79.9703, 84.1251,
90.5465

■ 85.5797, 90.4341,
107.5527

■ 88.2415, 95.7577,
108.4400

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.2786, 49.4849, 18.8164



51.5246, 49.4849, 12.4661



40.2632, 49.4849, 13.2843

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.5246, 49.4849, 12.4661



28.9684, 49.4849, 76.9681



65.7817, 49.4849, 107.7483

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51.5246, 49.4849, 12.4661



25.7225, 23.3439, 83.2704

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.5240, 49.4849, 139.4430



51.5246, 49.4849, 12.4661



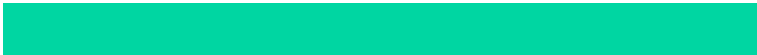
33.8385, 49.4849, 117.2297

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.5246, 49.4849, 12.4661



28.4345, 49.4849, 42.3461



42.8120, 49.4849, 143.4876



72.3643, 49.4849, 67.3398

Rectangle

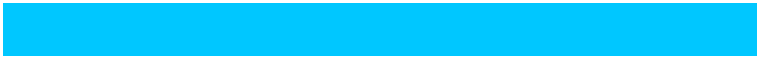
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.5246, 49.4849, 12.4661



34.4631, 49.4849, 17.9100



42.8120, 49.4849, 143.4876



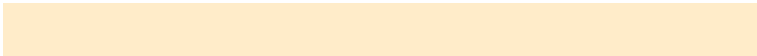
62.3410, 49.4849, 120.3773

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51.5257, 49.4874, 12.4671



81.7040, 85.2350, 67.6820



41.1230, 23.8890, 23.7751



17.1582, 17.8622, 13.5194



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.5257, 49.4874, 12.4671



57.1794, 52.5726, 8.9888



59.2653, 75.3843, 17.0578



15.8654, 16.6539, 15.8970



25.2348, 22.1639, 2.9480



2.0724, 1.9221, 0.2618

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.7225, 23.3439, 83.2704



25.2133, 20.3462, 97.2061



21.7685, 12.6157, 81.4080



14.6789, 15.4442, 19.1296



10.2782, 7.2035, 44.5916



0.8958, 0.7430, 3.5311

Previews

White Background



This preview shows how the XYZ color 51.5246, 49.4849, 12.4661 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 51.5246, 49.4849, 12.4661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.5246, 49.4849, 12.4661

Background



This preview shows how black text looks on a background with the XYZ color 51.5246, 49.4849, 12.4661.



This preview shows how white text looks on a background with the XYZ color 51.5246, 49.4849,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51.5246, 49.4849, 12.4661

Protanopia

45.2345, 49.5638, 13.3136

Deuteranopia

50.5681, 49.5818, 12.3739



Tritanopia

58.7992, 49.3577, 48.5474

Trichromacy



Original Color

51.5246, 49.4849, 12.4661

Protanomaly

47.2842, 49.3820, 13.0008

Deuteranomaly

50.6972, 49.3541, 12.3231

Tritanomaly

55.0510, 48.9117, 30.5842

Monochromacy



Original Color

51.5246, 49.4849, 12.4661

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.4861, 47.1222, 31.8974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5246, 49.4849, 12.4661 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(237, 176, 69)` looks like.

```
.text, #text, p{  
    color:rgb(237, 176, 69)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(237, 176, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 176, 69) }
```

Border

The CSS property to change the border of an element to XYZ 51.5246, 49.4849, 12.4661 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 176, 69) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(237, 176, 69) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(237, 176, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 176, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 176, 69);  
box-shadow:4px 4px 4px 4px rgb(237, 176,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5246, 49.4849, 12.4661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 176, 69) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(237,  
176, 69) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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